

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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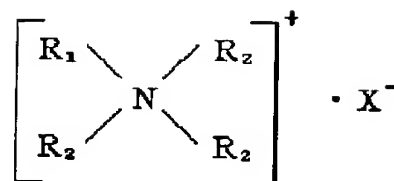
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APPLICANT : LION CORP;

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, C11D 1:72 , C11D 1:14 , C11D  
1:24 , C11D 1:28 , C11D 1:29 ,  
C11D 1:62 )

TITLE : LIQUID DETERGENT COMPOSITION



ABSTRACT : PROBLEM TO BE SOLVED: To obtain the effect of softening not only synthetic fibers but also cotton fibers and to prevent the cloths from yellowing by incorporating a specified nonionic surfactant, anionic surfactant and cationic surfactant.

SOLUTION: This composition contains (a) at least one nonionic surfactant having an average molar number of addition of 6 to 12 selected from among ethylene oxide adducts of primary alcohols having a C<sub>8</sub> to C<sub>20</sub> linear alkyl or alkenyl group, ethylene oxide adducts of primary alcohols having a C<sub>8</sub> to C<sub>22</sub> branched alkyl or alkenyl group having a C<sub>5</sub> or lower, short-chained, branched alkyl group, C<sub>8</sub> to C<sub>22</sub> fatty acid/ethylene oxide adducts, C<sub>8</sub> to C<sub>22</sub> fatty acid ester/ethylene oxide adducts, and ethylene oxide adducts of alkylphenols having a C<sub>6</sub> to C<sub>12</sub> alkyl group, (b) an anionic surfactant having SO<sub>3</sub> or SO<sub>4</sub>, and (c) a cationic surfactant of the formula wherein R<sub>1</sub> is a C<sub>6</sub> to C<sub>24</sub> alkyl or the like, R<sub>2</sub> is a C<sub>1</sub> to C<sub>3</sub> alkyl or the like, and X is a halogen or monoalkylsulfate group, in a specified ratio.

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